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- 101 TAGGGGACAGGGAGAAGAGATAGTGTGTGTGTGCAAGGAAAATATATG 150
 - 151 CACCCTCAAAATAATTEGATTTGCTGTACCAAGTGCCACAAAGGAAGCTA 200
 - 51 H18ProGlaAsaAsaSertLeCysCysThitySCysHistySClythrry 67
- 201 CTTGTACAATGACTGTCCAGGCCGGGGCAGGATACGGACTGCAGGGAGT 250
 - 251 GTGAGAGGGGCTGCTTCACCCTTCAGAAAACCACCTCAGACACTGCCTC 300
- 301 AGCIGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGATCTCTTCTTG 350 101
 - 351 CACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACCAGTACCGGC 400
- ATTATTGGAGTGAAAACCTTTTGCAGTGCTTCAATTGCAGCCTCTGCCTC 450 401
- 451 AATGGGACCGTGCACCTCTCCTGCCAGGAGAACAGGAGAACACCGTGTGCAC 500
- 501 CIGCCAIGCAGGIIICITICIAAGAGAAAACGAGIGIGICCEGIAGIA 550
- ACTOTABGABABGCCTGGAGTGCAGCTTGTGGGGGTAGGGAGAGTGGAG 600 551
- 601 AA PPITTAAGGGGAGFGAGGAPTPAGGCACCACATFGPTFGTTFGCGCGCGTT 650 201 AsnVall.ysGlyThrGluAspScrGlyThrThrVall.cul.euProl.euVa 217
- 651 CATTITCITIGGICILIGGCCILITARGCCICCICCICATIGGTITAAAGT 200
- - 751 PRGACACTIGAAAAAGAGGGGGAGTITGAAGGAACTACTACTAAGGGGGCT 800
- 801 GGCCCCAAACCCAAGCTTCAGTCCCACTCCAGGCTTCACCCCCACCCTGG 850 267 aAlah obbriosh Phaser Prothi Proflypheth Prothreng 284
- 851 GETTEAG RECEGIGOCCAGTTPPACETTCACCTECAGETECACCTATAGE
- 901 CCCGGTGACTGTCCCAACTTTGCGGCTCCCCGCAGAGGTGGCACCACC 950
- 951 CTATCAGGGGGTGACCCCATCCTTGCGACAGCCCTCGGCTCCGACCCA 1000

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1051 351	CTAGACACT 	AGACACTGATGACCCGGGGAGGCTGTACGCCGTGGTGGAGAACGTGCC 1100 	
1101	CCCGTTGCG oProLeuAr	CCCGTTGCGCTGGAAAGAAATCGTGCGGCGCTAGGGCTGAGCGACCACG 1150 	
1151 384	AGATCGATO 	AGATCGATCGCTGCAGCTGCAGAACGGGCGTGCGCTGCGCGAGCAA 1200 	
1201	TACAGCAIG 	ACAGCATG) LGGCGACCTGGAGGGGGCGCACGCGGGCGCGCGAGGCCCT250 	
1251	GCIGGAGCI euGluLe	GCTGGAGCTGCTGGGACGCTGCLCCGCACATGGACCTGCTGGGCTGCC 1300 	
1301	TGGAGGACA 	TIGGAGGACATICGAGGAGGCGTTTGGGGCCCCGGCGCCTCCCGGCCGCGGGGGGGG	
1351	CCCAGTCTTCTCAGA 	ropoaga 1365 14 1 Uleuarg 455	
seq_name	: /SIDS2/	qcqdataZueneseqZqeneseqpZAA1993_DAT+AAR42059	
11'	_documentation_) AAĸ4zU59 stand	i_block: indard, Protein; 455 AA.	
AAR	12059;		
-6.7	APR 1994	(lirst entry)	
DE Lambda XX	deti	ved TNF-R.	
KW Hume KW IL-1 KW File: KW Pull KW graf	an, tumour IR, tusion imatoid ar; monary fibi ft verses b	Human; tumour necrosis factor receptor; TNF-R; interleukin-1 re- IL-IR; lusion protein; linker; TNF; IL-1; cachexia; cerebral ma- rhe:matoid arthritis; diabetes; multiple sclerosis, septic shot pulmonary fibrosis; silicosis; allograft; xenograft; rejection; graft verses host disease, sepsis; inflammation; allergy; autoimmune dysfunction.	receptor; malaria; hock; on;
S Homo so	upiens.	Schilbp.	
an Key an Pepti	ride	on/Qualifiers	
Frot	ein	/note="Signal poptide" 41455 /note="Mature hINF-R"	
6ОМ	319777-A.		
14-	OCT-1993.		
36	MAR 1993;	93MO US02938.	
30-	MAR-1992;	92US-0860710.	
VA (IMMV	(V) TAMUNEX	VEX CORP.	
S	ith CA;		
	Wrl. 1993 3365 N-PSDB; AAQ499	592/42. 9932.	

401 AITATIGGAGIGAAAAOOTITIGGAGG :: AAITGAAGGTGGGTGG

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New Tusion protein tumour necrosis factor and human interleukin-I receptor - useful in therapy, diagnosis and assays of e.g. Thesawatoid arthritis, diabetes, cerebral malaria, sepsis, etc. Disclosure; page 57-59, 85pp; English.

The sequences given in AAR42058-59 repressent human tumour necrosis factor receptor (HFTR) and the sequences were used in the production of a fusion protein which conformed to one of the lotmidae:

THY-R-linker-TNF-R-linker-TNF nor INF-R-linker-TNF-R or INF-R-linker-TNF-R inker-TNF-R or INF-R-linker-TNF-R inker-TNF-R or INF-R-linker-TNF-R or Inker and Ala. These linkers separate the individual modifies by such a distance that each component of the tusion protein is capable of foolding into the secondary or tertiary structure required to its biological activity. These tusion proteins may be used in therapy, diagnosis and assays for conditions mediated by TNF or IL-I, part lead activity in conditions in which both TNF and IL-I play a causitive role. They may be used to treat cachevia, rheumatoid arthritis, diabetes, multiple scherosis, pulmonary librosis and string septic shock, inflammation, allergies and autoimmune dystunctions.
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Sequence 455 AA;

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51 GCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGACTGGTCCCTCACC 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          101 TAGGGGACAGGGAGAGAGAGATAGTGTGTGCCCAAGGAAAATATATC 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               151 CACCCTCAAAATAATICGATITGCTGTACCAAGTGCCACAAAGGAACCTA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   201 CITGLACAATGACTGTCCAGGCCCGGGGCAGGATAGGGAGTGTAGGGAGT Z50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 351 CACACIGGACCCCACACCCIFIGIGACTGCACGAAGAACAACAGTACCCGC 400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 ATGGGCCTCTCCACCGIGCCIGACCTGCIGCLGCCACIGGIGCTCCTGGA 50
                                                                                                                                                                                                                                                                                                           1 MetGlyLeuSerThrValProAspLeuLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGLuC 84
                                            Gaps: 0
Porroent (dentity: 100,000
                                                                                                                                                                                                      Align seg 1/1 to: AAR42059 from: 1 to: 455
                                                                     Percent Similarity: 100.000
                Quality: 2487.00
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alignment_scores:
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451	AATOOGACOTIC DACTOTOTICGCAGDACAAAAAAAAAAAAAAAAAA 5 HITHIIIII HITHIIIIIIIIIIIIIIIIIIIIIIIII	500 167
167	Gubakhara Asarrata matanti Abbakabahara maratakan Samiti Hilli Landa Hilli Hilli Hilli Hilli Haliana marata	3 4
17 E	ACIGIAMAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	9 8
56.7	AATOTTAAGODDAGLGAGGAGLGAGTATATAGLGTTTTTGTTTTGTTTTTTTT	.5.u
651	CATITION INGLETITICS HITATORICH COLLICALIGATITAALGE 7 	34
701	AIGGCIACCAAGGGTGGAAGTCCAAGCTCTACTCCAITGTTGTGGGAAA 7 	5.0
751	TCGACARY INAAAAGAGAGGIGGAGGITAAGAAAGAAGATATAAGAAAAAA 8 	949 167
801	GGGGGGAAAGPEAAGGLEGAGGGGGAGTREAGGGLEGARCKRAGGGLGG-8 HTTFLEGAGT-1HTTFLEHTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	850 84
851 284	GCTTCASTCCCGTGCCCAGTTCCACCTCCAGCTCCAGCTGCAGCTAIANSC 9 	£ 3
901 301	CCCGD ACTGCCCAACTTIGGGGTCCCCGAGAGAGAGAGACGCACT 9 THEFFILE FEEF FEEF FEEF FEEF FEEF FEEF FEE	170
951	CTATCASONGGETGACCCCACCTGCAGCCCTCNV-17-CGACCCC 1	000
1001	ICCCCAACTOTTCAGAAGIGGGAGAAAAGGGCAAAAAGAAAGAAAT 1 	650 50
1051 351	CTAGACACTGA TCACCCCCGAGGGGTA ACCCGGGGGGGGAGAAQGTGC THILLITTITTITTITTITTITTITTITTITTITTITTITTI	100
1151 367	CCCGTIONNINAAABAATICGTAANANONIAAAGANIIAA BAACAANII HTHIILITHIIIITHIIHHHHIIITIINII INTIIIIIII OProteetti qirgisettibleValargatareetgijyeeseraspilisii a	1150
1151	AGATOGATORSOTTBOAGOTGOGAGAGGGGGGGGGGGGGGGGGGGGGGGGG	(i
1201	TACKACK (OCTACK OKTORANDO ORACA KOSCO ORACO KARBOTAR TELETETET TELETETETETETETETETETETETETET	25,19
1251	51 OCTOSANTO MERCAROSCIOCIONAM A ISOANTONO SELECTOR 1917 1917 1917 1917 1917 1917 1917 191	į 3

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This sequence represents human p55 tumout mectosis factor (TNF-R). Expression of this receptor is requiated by shedding of the extraction of this receptor is requiated by shedding of the extraction of the characteristic acceptor in the control of the receptor whose structure depending on cell type. The only region of the receptor whose structure affects the shedding response is the spacer region (see AAR75012) in the
                                                                                                                                                                                                                                                                                                                                                                      p55; tumour necrosis factor receptor; TNF-R; human; murine; chimera,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "minor C terminus for soluble p55 TNF-R"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New protease capable of eleaving soluble tumour mecrosis factor (TNF) receptor - trom cell-bound TNF- receptor, useful for uniagonising deleterious ellects of TNF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note= "major C terminus for soluble p55 TNF-R"
                                                                                                                                                                                                                                                                                                                                                                                          epidermal growth factor receptor; EGF-R; profease; inhibitor; phorbol myristate acetate; PMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note- "peptide used in creation of chimeras"
Seq_hame: 78:11827qeqdafayqebeseqzyeeeseqpZAA1995,0AT-AA¤75694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "N terminus of soluble p55 TNF-R"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "essential for shedding reaction"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Batkin M. Brakehusch C. Varfolomeev E. Wallach D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note- "transmembrane region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "qlycosylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note- "glycosylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note- "4lycosylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "spacer region"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Onalifiers
                                                                                                                                                                                 seq_documentation_block.
ID AAR75084 standard; Protein; 455 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure: Fig 1: 40pp: English.
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                                                            1451 CCCAGTCTTCTCAGA 1365
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/note-
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                                                                                                                                                                                                                                                                                                                             p55 TNF-R.
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receptor (EGF-R) that are represented by AAR75007-11. This sparer region was subjected to deletion mutations (AAR75013-25) and substitutions
extracellular domain—This region is located close to a site of cleavage of the molecule, and links the Cystrich module to the transmembrane domain. The spacer region of the encoded protein was used to create the chimeras between human p55 INF-R and murine epidermal growth factor
                                                                                                                                                                                                                                                                                                                                                                                                                conformation of the protein adversely effect the shedding process. The mutations shown in AAR75013-47 were introduced in order to create an inhibitor of a protease that is capable of cleaving the soluble INF-R from the cell bound TNF-R. Fragments of these inhibitors can be seen in AAR75017-9, AAR75025, AAR75013-3, 304 AAR75042-3. These protease inhibitors can be used for enhancing TNF function.
                                                                                                                                                                                                                           (AAR75026 47). Of the spacer region, the most important residues are As: 172, Val 173, Lys 174 and 517 175. With Val 173 Lotil the most important of these. The shedding of the receptor is independent of the side chain identity of the scalables, with the exception of a limited dependence on the identity of Val 173. Mutations which alter the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    51 GCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGACTGGTCCCTCACC 100
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Percent Similarity, 100.000
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US-09-525-998A-1 x AAR75084
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us-09-525-998a-1.raq

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CHANCAGGGGGCTGANNOATOCTTGGGAGAGGGGTGGGCTGGGAGGGGA
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                                           551 ACTGTAAGAAAAGCCTGCACTGCACGAAGTTGTGCCCTACCCCAGATTGAG 600
                                                                    AATGITAAGGGCACTGAGGACTCAAGCACACACACAGTGCTGTTGCCCCTGGT 650
                                                                                                                                                           CATTITICITIGGECTTFIALCCCFCCFCFFFALGGETFAARGF 700
                                                                                                                                                                                                                                                                                                                          701 ATCCCTACCAACGCTGGAAGTCCAACTCTACTCCALLGTTGTGGAAA 750
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                                                                                                                                                                                                                                                        334 leProAsnProLeuCluLysTrpSiuAspSerAlaHisLysProGlnSer
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Sent_name: 1/20022/graphataphones.graphones.graphateppg.callabranda

seq_documentation_block:

451 ProSerLeuLeuArg 455

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This invention describes movel knowseneous insoluble proteins (1), the form of the irraneous (1), the form of their sails that can bind tunnour necrosis lactor (INF). The products of the invention have anti-inflammatory and antimalarial activity. (1) and (ia) are used (i) to treaf diseases in Which INF is involved (c.g. septim shock, autoimmune glowernlonephitis, cerebral malaria, immune responses and inflammation). (ii) to purify INF, (iii) to identify INF (ant)avonists and (iv) for diagnosists of the instance of the in
                                                                                                                                                                                                    Tallow! nectosis factor binding profein; 3NF; insoluble profein; agomist;
                                                                                                                                                                                                                            anti-inflammatory, antimalarial, freatment, septic shock: inflammation, autoimmune glomeralonephritis, cerebral malaria, immune glomeralonephritis, cerebral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New insoluble proteins, and transments, that bind to camp necrosis factor, used to treat e.g. septic shock or cerebral maintia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dembio Z. Gentz E. Lesslaner W. Loetscher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "hypothetical giyeosyjation site"
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                                                                                                                                                    Human tumour necrosis tactor binding protein.
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                                                                                                                                                                                                                                                                                                                                                                                ocation/Qualifiers
AAY30934 standard; Protein; 455 AA.
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                                                  AAY30944;
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alignment_block:
US 09-525-998A-1 x AAY30934
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Align seq 1/1 to: AAY 40934 from: 1 to: 455

- 1 ATGGGCCTCTCCACCCTGCTGCTGCTGCTGCTGCCACTGGTGCTCCTGGA 50
- 51 GCTGTTGGTGGGGAATAIACCTTTTAMGGGIIALTGGACIGGTGCCCCACAC 100
- 101 TAGGGGACAGGGAGAAGAGATAGTGTGTGTCCCCAAGGAAAATATATC 150
 - 151 CACCCTCAAAATAATTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTA 200
 - 201 CITGIACAAIGACIGICCAGGGGGGGGGAGAAIACGGAACIGCAGGGAGI 250
- 300 67 rLeuTyrAsnAspCysProClyProClyClnAspThrAspCysArgGluC 251 GTGAGAGGGGGTGGTTGAGGGTTTGAGAAAGCAGGTGAGAGACTGGGCTG
- 350 301 AGCTGCTAGAAATGCCGAAAAGAAATGGGTCAGGGAGAGATCTCTTTG
 - 101 SerCysSerLysCysArgLysCluMetGlyGlnValGluIleSerSerCy
- 351 CACAGTGGACCGGGACACGGTGTGTGGCTGCAGGAAGAAACCAGTACCGGC
- 401 ATTATTGGAGTGAAAACCTTTTCCAGTGCTTCAATTGCAGCCTCTGCCTC 450
- 134
- 500
- 0.55
- 551 ACTGTAAGAAAACCTGGAGTGCAAGTTGTGTGTGTGTAACTTGAG 600
- 184
- 601 AATGITAAGGGGACTGAGGACTCAGGGACCACAGTGCTGTTGCCCCTGGT 650
- CATITICITIGGIC:111600:1111AIO00T0010:TFCAFFGGTTTAA1GT 200 217 111ePhePheGlyLouCysLauLeuserLeuleuPheIIeGlyLouMetT 234
- 701 ATCCC:ACCAACAGIGGAAGICCAAGCICIACICCAIIGHIGIGGGAAA 750 234 yrArqTyrGlmArqTrpLysSerLysLeuTyrSerileValCysGlyLys 250

851		006
284	lyPheSerProValProSerSerThrPheThrSerSerThrTyrThr	300
901		950
301	ProGlyAspCysProAsnPheAlaAlaProArgArgGluValAlaProPr	317
951		1000
317	ofyrGlnGlyAlaAspFrolleLeuAlaThrAlaLeuAlaSerAspFrol	334
1001	TITOTO PARTOCO CONTROL BANGET GOOD CONTROL TO THE TENT OF THE TENT	1050
334		350
1051	CTAGACA/PGAFGA/PGAFGA/G/PGTAGCGCGGGGGGGGGAAGGCGCC	1100
351	LeuAspThrAspAspProAlaThrLeuTyrAlaValValValValValPr	367
1101		1150
367	oProLeuArgTrpLysGluPheValArgArgLeuGlyLeuSerAspHisG	384
1151	AGATICGATIONORITIONAGE TO AGAAA GOOGGOTION TITLE TITLE TO TOTAL TO THE TITLE TO THE	1200
384		400
1201	-	1250
401	[YrSerMetLeuAlaThrTrpArgArgArgThr2roArgArgGluAlaTh	417
1251	-	1300
417	rLeuGluLeuLeuGlyArqValLeuArqAspMetAspLeuLeuGlyCysL	434
1301	16646640ATTCAA664660GCTTT60000000000000000000000000000000	1350
434	euGluAspIleGluGluAlaLeuCysGlyProAlaAlaLeuProProAla	450
1351	CCCAGTCTTCTCAGA 1365	

seq_name: /SIDS2/gradata/geneseq/geneseqp/AA20000 DAT AAR46266

451 ProSerLeuLeuArg 455

Human tumour necrosis factor receptor 1. AAB36266 standard, Protein; 455 AA 20-FEB 2001 (linst entry) seq_documentation_block AAB36266;

Human, death domain containing receptor; DR3-VI; cancer; autoimmune disorder; inflammation; cardiovascular disorder; inflection; neurodegenerative disease; anglogenesis.

Homo sapiens

WUZUUU64465-A1.

21-APP-29009; 2000W0-USI0741 22-APR-1999; 02-NOV-2000.

(HUMA-) HUMAN GENOME SCI INC. 99US-0136741. 99US-0130488 (UNMI) UNIV MICHIGAN. 28-MAY-1999;

(YUGG/) YU G.

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The present invention provides the protein and coding sequences for two death domain containing receptors, designated DR3 and DR3-VI. These receptors are involved in apophosis, and the sequences given can be used in the treatment of cancers, infectious, cardiovascular disorders such as arrhythmias, ischacmia, ancurysms, arrental corlusive diseases, owhed is and congenital heart defects, neurodegenerative diseases including Allbeimer's and Parkinson's diseases, autoimmune diseases including sciencesis, arthritis, diabetes, Graves' disease, asthma and psoriasis, and to promote and wound healing.
                                                                                                                                                                                          Treating graft versus host disease, cancer, immunodeliciency or an autoimmone disease comprising administering an antibody to Death Domain Containing Receptor proteins and a second therapeutic agent -
                                                                                                           Ni J, Gentz RL. Dillon PJ, Dixit VM;
                                                                                                                                                                                                                                                                             Disclosure, Fig 3; 273pp; English.
(NEUSZ) NE J.
(GENTZ) CENTE E U.
(DIULZ) DILLON P J.
(DIXIZ) DIXIT V M.
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Sequence 455 AA;

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51 GC1GTTGGTGGGAATATAFCCCTCAGGGGTTATTGGACTGG1CCCTCACC 100
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Persent ldentity: 190 000
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100 000
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                                                                          Ouality: 2487.00
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                                                                                                                                                                                                                                          Percent Similarity.
alignment_scores:
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1301 IGGAGGACATCGAGAAAAGGCIIIIGCGGCCCCGCCGCCCCTCCCGCCCGCC 1350
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                    601 AATGITAAGGGCACTGAGGACTGAGGGAGGAGTGGTGTTGGGGGTGGT 650
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                                                                                                          551 ACTGTANDAAAGGTOGGAGTGCAGGAGTIGIGGGTAGGCGAGATIGAG
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                                                                                                                                                                                                                                                                                                                                                                                  217 TillePielhedlytzeugssteutswäerfeutswäherredryssemet
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        901 CCCCCTGACTGTGCCAACTTTGCGGGTGCCGGGGAGAGAGGGGGCACCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             334 TeProAshProLonGln1.ysTrpGlnAspScrAlaHis1.ysProGlnSer
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The present sequence is given in a specification relating to novel compositions and methods containing tetracycline or letracycline-libe compounds for treating and/or preventing acute inflammatory responses and discases. Such diseases include acute inflammatory conditions associated with viral haemorrhagic diseases (including diseases caused by Bunyaviridea, Filaviridae, Thaviridae, Araviridae, Arav
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           transplanted bone marrow-induced graft-versus-host disease, soptic shock, immune complex-induced colifis, rerobrospinal fluid inflammation, multiple selecosis, inflammatory responses associated with trauma, systemic inflammatory response syntrome (SIRS), adult respiratory distress syndrome (ARDS), acute liver latture, inflammatory bowel disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      p75 receptor; antilnilammatory; haemostatic; antibacterial; sepsis; immunosuppressive; immunosubpressive; menunomodulator; cardiant; cytostatic; cachexia; reuroprotective; respins in filammatory in reprint a disease; maltiple scherosis, autoimmun diseater, cardiovascular diseater; enronic myelogenesis leakaemia, inflammator; kowel disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; tumour necrosis factor; TNF; TNF-alpha; TNF-beta; p55 receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel compositions comprising tetracycline or tetracycline-like compounds for the treatment and/or presention of acute inflammatory responses and diseases, e.g. septic shock and immune complex-induced
                                                                                                                                                                                                                                                                                                       CONTRACT OF THE PROPERTY OF STREET AND STREET SECTION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human tumour necrosis factor p55 receptor.
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Personal Identify: 100,000 Gaps:

Ratió: 5.466 Percent Similarity: 100 000

Quality: 2487.00

aliqnment_scores:

Align seq 1/1 to: AAB37800 from: 1 to: 455

US-09-525-998A-1 x AAB37800

aliqument_block

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301 AGCHGCHCCAAATGCGGAAAGGAAATGGGTGAGGTGGAGATCTCTTTG 350
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                                                                                                                                                                                                                      67 rLeuTyrAsnAspCysProClyProClyClnAspChrAspCysArgCluC 84
                                                                                                                     1 ATGGGGG1G1GGAGGG1GGC1GAGG1GGTGGTGGCAGTGG1GGTGGTGGA
                       651 CATTTICITTHS DITTIGG COTTTAAT COTTCITCATIGGTITAATGT
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Human; TNFE; turmour necrosis factor; TEG receptor; immunosuppressive; antiallergic; bath; Domain Containing Pereptic; common variable immunodefiniency, X-linked agammaglebulinaemia, acommon variable immunodefiniency, X-linked agammaglebulinaemia, acommon variable immunodefiniency, X-linked agammaglebulinaemia, activitience autoimmune discase, Heumatoid arthritis, alietgic encephalomyclitis; multiple scherosis, diabetes meditins, asthma, epilepsy, vancer, cardiovascular disease, neurological disease, protein coordinate data.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAH25984;
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The present sequence is INFR L, a member of the tumour necrosis factor deceptor lamily. A novel human tumour necrosis and receptor lamily. A novel human tumour necrosis and an expectation of the properties also known as beating and the properties of the properties of the properties of the properties of the properties, polynocleotides or variable immunodeficiency. A tracking proventing of dispussing common variable immunodeficiency, and Wiskott Aldick a polynomial account of the properties of t
                                                                                                                                                                                            known as TP9, useful for treating, preventing and diagnosing severe combined immunodeliciency, autoimmune diseases, HIV intertion, epilepsy
                                                                                                                                                     Nucleic acid molecule encoding a human tumor necrosis factor receptor,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    401 ATTATIGGAGIGAAAACCTIIICCAGIGGIICAALIGGAGGGIGTGGCTC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          451 AAIGGGACCGIGCACCICICCIGCAGGAAAACAGAAAAACGIGIGAA 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                151 CACCTCAAAATAATICGAITTGTTSTACCAAGTGCCACAAAGSAACCIA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         251 SISASANANA PATICASSAIISASAAAAAAAN MAANAAHAHGOOTA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ลิ4 หูรติเมริกาติเรราทิทิศาทิทิศาสริตาติเมAรถฟีเรโดนสากุฟเรติหูรแยน 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301 AGCIGOTOCAAAIGCCGAAAGGAAAIGGGICAGGIGGAGAICIOITGIIG 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 351 CACAGTGGACCGGACACCGTGTGGGTGCAGGAAGAAGAATAGCGGG 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 uLeuLeuValGlylleTyrFroSerGlyVallleGlyLeuValFroHist 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            67 rleuf,rAmnAshthsElwillthushthmAshthmAshtysArgGlud 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AIGGGCTCTCCCACCGIGCTGACCIGCIGCCACLGSIGCTCCTGGGA 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                117 sIhrValAspArqAspIhrValCysGlyCysArqLysAsnGhInyrArqH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34 euGlyAspArgGluLysArgAspSerValCysProGluClyLysTyrIle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    203 CTICTACAA FOACIGTCCAQUOCOGOOGAGAA ACOGAT GOGAGOACI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length: 455
Gaps: 0
Percent Identity: 106.600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure, Pig 2, 220pp; English.
Fan P;
Yu G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ratio: 5,466
Percent Similarity: 100.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouality: 2487.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    alignment_block:
gs-na-525-4awA-1 x AAR25984
                                                                    WPI; 2000-594575/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            455 AA;
Ni J, Gentz RL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    alignment_scores:
                                                                                                                                                                                                                                                                                 and cancer
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1051 CIAGACACTGACGCCGGACGCTGIACGCCGTGGTGGTGGAGAACGTGCC 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CCCGTTGCGCTGGAAGGAATTCGTGCGGCGCTTTAGGGCTGAGGAACACG 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1201 TACAGCATGCTGGCGACTGGAGGCGGCACGCCGGCGGCGCGAGGCCAC 1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1251 GCTGGAGGTGCTGGGACGCGTGCTCCGCGACATGGACGTGCTGGGCTGCC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           501 CTGCCATGCAGGTITCTITCTAAGAAAAACGAGTGTGTCCTGTAGTA 550
                                                     551 ACTGTAAGAAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCCAGATTGAG 600
                                                                                                                           601 AAIGTTAAGGGCACTGAGGACTCAGGCACCACAGGCTGTTGCCCCTGGT 650
                                                                                                                                                                                                    651 CATITICITIGGICILIGGCIIIIAICCCICCICCICALGGILIAAIGI 200
                                                                                                                                                                                                                                                                             701 ATCCCTACCAACCCTGGAAGTCCAAGCTCTACTCCATTCTTTGTCGCAAA 750
                                                                                                                                                                                                                                                                                                                                                751 TOGACACTGAAAAAGAGGGGAGCTIGAAGGAACTACTACTAACAAGCCCCT 800
                                                                                                                                                                                                                                                                                                                                                                                                                       251 SerThrivoGluiysGluClyCluLeuGluClyThrThrThrLysProLe 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         801 GGCCCCAAAACCCAAACTTCAGTCTCAGTTTCAGGTTCACCCCAAAACTGG 850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301 ProdlyAspCysProAshPbcAlaAlaProArgArgCluValAlaProPr 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             317 oTyrGlnGlyAlaAspProlleLeuAlaThrAlaLeuAlaSerAspProl 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       151 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              851 GCTTCAGICCCGTGCCCAGITCCACCTTCAGCTCCAGCTCCACCTATACC 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   367 oProLeuArgTrpLysGluPheValArgArgLeuGlyLeuSerAspHisG 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          384 lulleAspArgLeuGluLeuGlnAsnSlyArgCysLeuArgGluAlaGln 400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1101
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Polynuclectides comprising polymorphic variants of a reference sequence for tumour necrosis factor receptor i (TNFRI), useful for studying the blological function of TNFRI and identifying drugs targeting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            necrosis factor receptor I (TNFRI) gene. The present sequence is AAA45102 the TNFRI protein. The sequence of the whole agene is given in AAA95102. AAA45103 and AAA44104. The polymorphisms were identified by amplifying and sequencing regions of the gene. Lerive polymorphism by an integrate in the TNFRI protein. The TNFRI polymorphisms may be useful for studying the biological function of TNFRI as well as for identifying drugs rageting the protein for treatment of disorders apoptosis related disorders and bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to polymorphic variants of the tumour
                                                                                                                                                                                           TMFR1, tumour necrosis factor receptor, polymorphism; human;
tumour; cancer; apoptosis; bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AIGGGCCTCTC/ACCAGGCCTGACCTGACACTGCTGCTGGTGGCCCTGGA 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MetGlyLeuSerThrValProAspLeuLeuLeuProLeuValLeuLeuGl 17
seq_name: /SIDS2/gegdata/geneseq/geneseyp/AA2000 Nar-AAR23446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Percent Identity: 100,000
                                                                                                                                                           Human tumour necrosis factor receptor 1 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nandabalan K, Schulz VP, Stephens JC, Chew A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Align seq 1/1 to, AAB23446 from, 1 to: 455
                                                  AAB23446 standard, Frotein, 455 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein for treating disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 10; Fig 5; 79pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                              (GENA-) GENAISSANCE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                          99US-0121314.
                                                                                                                                                                                                                                                                                                                                                      23-FEB-2000; 2000WO-US04606.
                                                                                                                       .2 JAN 2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Percent Similarity: 100.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Quality: 2487.00
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5,466
                                                                                                                                                                                                                                                                                                                                                                                                                                              NANDABALAN K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STEPHENS J C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-543909/49.
                                   seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               SCHULZ V P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               455 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N PSPB, AAA95105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ratio:
                                                                                                                                                                                                                                                                                   W0200050436-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CHEW/) CHEW A.
                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                          23-FEB-1999;
                                                                                                                                                                                                                                                                                                                      31-AUG-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   alignment_scores:
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                                                                                        AAB23446;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              (NAND/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SCHOZ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (STEP/)
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51 GCTGTTGSTGGGAATATAGGGGGGTTATTGGAGTGGTGGTCAGG 100

451 PresententenArg 455

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Firified or recombinant polypeptide for modulation apoptosis comprises a sequence which binds to an antibody specific for UL144 or its
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51.14. death receptor, apoptisis, programmed (c) death; FAS;
INF-R1; IRAMP; DR-6; IRAIL; modulation; treatment; career; virus;
                                                                                                                                                                                                                                                                                                                                                                                              1101 CCCCTTGCGCTGGAAGAATTCGTGGGGGCCTAGGGCTGAGGGACTAGGT 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1201 TACAGCAIGCIGSCGACCIGGAGGGGGGGCACGCCG GGCGCGAGGCCAC 1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1251 GCIGGAGGIGCTGGAGGCGTGCCICGGGACATGGAACIGCIGGGGACTGCA 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1001 TECCCAACCCCTTCAGAAGTGGGAACAGCCCCTCACAAGCCACAAAGCATAAAGC 1055
                                                                                                                                                                                                                                      1051 CIAGACATGATGACCCGGGACGCIGIACGCCGGGGGGGGAAAACGGGCTITG
                                                                                                                 351 LeuaspihraspaspiproalathrieutyralaValValCluasuValPr 357
                                                                                                                                                                                                                                                                                                                                                                                                                                            417 rLeuGluLeuLelGlyArqValLeuArqAspMetAspLeuLeuGlyCysL 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             317 oTyrGlnGlyAlaAspProIleLeuAlaThrAlaLeuAlaSerAspProI 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq_15amp //S1082/grydata/granserg/grossing/AA2022.1.A..AAB01336
                                                                                                                                                                                                                                                                        Hisolosare, Page 65-67, 76pp; English,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         seq_documentation_block:
ID AAB01336 standard; Protein; 455 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44WU-US26035.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25 SEP-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1351 CCCAGICITCICAGA 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                451 ProSerficuleuArg 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INF-R1 death receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Leong C, Phillips JH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SCHE ) SCHERING CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WP1: 2000-124484/36.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15.3UN-2006.
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201 AsnValigsGlyThrCluAspSerGlyThrThrValLeuLeuProLeuVa 217

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block induction of apoptosis or interfero with antiapoptotic activity. The polypeptide is also useful for modulating apoptosis and useful in treatment of conditions associated with abnormal physiology or adevelopment, such as cancer or degenerative conditions and for requiation of viral infection and replication. At least five different death receptors are known, which include the CD95 (EasANO-1), the TWY receptor 1, TWY receptor apoptosis-mediated protein (TMAMP), death receptor-6 (DR-6), and TWY-related apoptosis-inducing ligand (TPAHI) receptors 1, 2 and 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  450
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US-09-525-998A-1 x AAB01336
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Human tumour necrosis factor receptor TNFR1 protein SEQ ID NO:3.
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                      701 AFCGCTACCAACGGFGGAAGFCCAAGCFCFACFCCATFGFFFFFGFGGAAA
                                                                                                      851 GCTTCAGTCCCGTGCCCAGTTCCACCTTCAGCTCCAGCTCCACCTATACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                    317 ofyrGlnGlyAlaAspProIleLeuAlaThrAlaLeuAlaSerAspProI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1101 CCCCTTACACTGAAAAAAATFAGTAAAAAAAATAAGGACCACG
                                                                                                                                                                                                                                                                                                   267 uAlaProAsaFroSerPheSerProThrProGlyPheThrProThrLeuG
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tumour necrosis faction related apoptosis inducing ligand; vasotropic; immunosuppressive; neuroprotective, antiviral; antiinflammatory; anticonvolsant; antiparasitic; cardiant; anti-HIV; antiparkinsonian; gene therapy, restenosis; graft versus host disease; tumour; cancer; apoptotic reli death related disease, autoimmune disorder; cardiovascular disorder; viral infection.
                                                   TRAIL receptor without intracellular domain; diagnosis; cytostatic;
receptor 9, TRID, TNER-9, TRS
     Buman: tymour peerosis factor
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Homo sapiens.

W0200071150-A1.

30-NOV-2000.

18-MAY-2000; 2000WO-US13515.

99US-0135164. 20-MAY-1999;

(HUMA-) HUMAN GENOME SCI INC

Gentz RL., Wei Y, Ruben SM,

WPI; 2001-041051/05.

Nucleic acid encoding a TRID polypeptide, also referred to as tumor necrosis factor receptor 5, useful in the diagnosis, treatment or prevention of cancer, autoimmune disorders and viral infection -

Disclosure; Fig 2; 285pp; English.

associated with increased or decreased apoptotic cell death. The TRID polynucleorides, profeins, antibodies, agonists and antagonists are (b) autoimmune disorders; (c) diseases associated with increased apoptosis; (d) vardivovascular disorders; and (e) viral infection. The present sequence represents a tumour necrosis factor receptor used in comparison with TRID in the exempilfication of the present invention. useful in the diagnosis, treatment or prevention of: (a) cancer,

455 AA

Ouality: 2487.00 alignment_scores:

Percent Identity: 109,000 Length: Gaps: Percent Similarity: 199,000 5.466 Ratio:

455

US-09-525-998A-1 x AAR36697 alignment_block:

Align seg 1/1 to: AABS6697 from: 1 to: 455

51 GCTGTTGGTGGGAAAFAIACCTCAGAAGFIAITGAAACTGATGCCTCACACT 100

951 CTATCAGGGGGTGACCCCATCCTTGGGACAGCCGTAGAATCGGAAGGGA 1990 251 GIGAGAGGGGCTSCTTCACCGCTTCAGAAACCACCTGAGAGAGIGGCTG 300 301 AGCIGCICCAAALGCCGAAAAGAAAIGGGICAGGIGGAGAICICITTIG 350 351 CAMAGIGGAPUG SCACACCGIGIGIGGIGGACGAACAAPAAGIACPSCM 400 117 SThrValAspAr4AspThrValCysGlyCysArqLysAsuGlnTyrAigH 134 40] ATTALLIGGAGLUAAAAGCITTTGCAGTGCTTGAATTGCAGGGTGTGCTT* 450 134 isTyrtrpserGluAsuteuthoGlaCysPheAsnCysSerteuCysteu 150 551 ACTGTAAGAAAGCCTGGAGTGCGAAGTTGTGCCTA?CCCAGATTGAG 600 184 sn@ystystysskrieuGluGysThrtystkru@ystkufroStrileSin 200 651 CALLECTIONING CHIRCOLLIAN WOLF WICH CALLOCATION (AATO) 700 217 lilePheEhedlyLeuCysLeuLeuserLeuEhelleolyLeuMetT 234 701 ATCCCTACHANGCIGGAAGTGGAAGCTHIACTCCALTCTTTGTGTGTGAAA 750 751 TOSACACCESAAAAAAGGGGGAAGIIGAAAGAAAIIA.IACIIAAAGCT 80º 251 SerthrProdialysGludlySluLeuGludlyThrThalhrigsPreuk 267 851 GCTTCAGTCCCCAGTCCCAGTTCCACCTCCAGCTCCACCTATACC 900 284 lyPheSerProValProSerSerThrPheThrSerSerIhrTyrThr 300 901 CCCGGIGACIST CCAACILIGGGGCICCCGCAGAGAGGGGCACLAGC 950 101 TAGGGACAGGGAGAGAGAGATAGIĞIĞIĞIĞIĞÜĞĞAAGGAAAATATAT 150 151 CACCTICAAAAAATTOGATTIGGTAAGAAGIGGTAGAAAGAAAGTA 200 51 HisProGlnAsnAshSerlleCysCysThrLysCysHisLysSlythrly 67 67 rLeuTyrAsuAspOysProslyFroGlyslnAspInrAspOysArqSlur 84 17 structusValdly:Defy:ProSerGlyValIleGlyLrsValProHist 34 234 yrArgfyrClaA glyrplysCerlysLedlysSerlleValGysClylys 801 GGCCCCAAAACCCAAGCTTCAGTGGGAGTCCAGGGTTCACCGGGACCTGC

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Novel 30 kha tumor necrosis factor inhibitor analog comprising a non-native cycleine residue cross linked with polyethylene \eta_1\gamma col_1 useful for treating inflammatory and degenerative discusses mediated by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TNF inhibitor; antiinflammatory: Tumour Nocrosia Factor, interleukin.
IL-1: inflammatory disease; degenerative disease; human.
1101 CCCGTTGCGCTGGAAAAAIFGGTGCGGGGGAGGGGGGGGGGGAGGGACGG 1150
                                                                                                                                                                                                                                                  1151 AGATGGATGGGTTGGAGTTGPAGAATGGGGGG WGGTGGCGGGGGGGGGAA 1200
                                                                                                                                                                                                                                                                                                                                       1201 TAMAGMANGTIGGRAGI I GGAGGGGGGGGGGGGGGGGGGGGGGGGG 1250
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         367 obrotouArgTrpLysGluPheValArgArgLeuGlyLeuSerAspHisC 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 417 ricuGluLeuLeuGlyArgValLeuArgAspMetAspLeuLeuGlyCysL 434
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RW, Vannice J, Kohno T;
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[D AAB37677 standard, protein; 455 AA
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18-JUL-1989;
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The present invention relates to Tumour Necrosis Factor (TNF) inhibitors (see AB37675 and ANB37685), which have TNF inhibitors activity. The novel TNF inhibitors of the present invention are useful as therapeutic agents for inhibiting the activity of TNF and interleukin (LL-1), and for treating inflammatory and degenerative diseases mediated by TNF. The present sequence is the precursor for 30 kba TNF inhibitor. The 30 kba TNF inhibitor can inhibit TNF alpha.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          84 ysGluSerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301 AGCTGCTCCAAATGCCCGAAAGGAAATGGGTCAGGTGGAGATCTCTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 ATGGGCCTCTPAPPGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                501 FIGURAGASTITOTITOTAAGAAAAACGAGIGICICCIGIAGIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Percent Identity, 100,000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Align seg 1/1 to: AAB37677 from: 1 to: 455
                Example 6, Fig 21, 82pp, English.
                                                                                                                                                                                                                                                                                                                                                                             Percent Similarity: 100.000
                                                                                                                                                                                                                                                                                                                                                                                                                       alignment_block:
US-09-525-998A-1 x AAB37677
                                                                                                                                                                                                                                                                                                                                     Quality 2487 OF
                                                                                                                                                                                                                                                                                                                                                        5.466
                                                                                                                                                                                                                                           455 AA;
                                                                                                                                                                                                                                                                                                                                                          Ratio:
                                                                                                                                                                                                                                                                                                                alignment_scores:
                                                                                                                                                                                                                                                Sequence
× 8 × 0 0 0 0 0 0 0 0 × 8
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601 AATGTTAAGGGCACHGAGGACHCAGGCACGACAGTGCHGTHGCCCCCTGGT 650

us-09-525-998a-1.rag

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951 CIAICAGGGGGGCTGACTCTTGTGAGACTTGGGCCTCCGACCCA 1000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1101 CCCGIIGCGCIGGAAGGAAIICGFGCGCCCIAGGGCIGAGCGACCACG 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             334 leproAsnProLeuGlnLysTrpGluAspSerAlaHisLysProGluSer 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             201 AssivaliysClyThrCluAspScrClyThrThrValLeuLeuProLeuVa 217
                                                                                                                                                                            651 CAITICILIGGICILIGGCHIFFARGCHOCHCHIGALTGGTTAATGT 700
                                                                                                                                                                                                                                                                                        217 HilePhePheClyLeaCystenLeaSerLeathenTheHeStyJeaMetT 234
                                                                                                                                                                                                                                                                                                                                                                                                                  701 ATCCCTACCAACCGTGCAAGTCCAAGCTCTACTCCALTGTTGTGGGAAA 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        234 yrArgTyrGlaArgTrpLysSerLysLeuTyrSerIleValCysGlyLys 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              751 TCGACACCTGAAAAGAGGGGGGGGGTTFGAAGGAAMTAMTAAGTAAGTGCTT $00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GRANDOMANDOMANDI | GARDOMANDO | GARDOMANDO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             267 uAlaProAsnProSerPheSerProThrProGlyPheThrProThILeuG 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                851 GCTTCAGTCCCCAGTTCCACCTTCAACTCCAGATCCAGATCCAGCTATACC 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                284 lyPheSerProValProSerSerThrPheThrSerSerThrTyrThr 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            901 CONTRACTOR CARACTER CONTRACTOR CONTRACAGE DECIMACION YEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301 ProGlyAspCysProAsnPheAlaAlaProArgArgGluValAlaProPr 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    401 TyrSerMetLeuAlaThrTrpArgArgArgThrProArgArgGluAlaTh 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               417 rleuGluLeuLeuLeuGlyArgValLeuArgAspMetAspLeuLeuGlyCysL 434
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR11082 standard, Protein, 455 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human 55kD TNF-binding protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24 MAY 1991 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1351 CCCAGTCTTCTCAGA 1365
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Partial amino acid sequences were determined for the 55 and 75kb inc BPR BPR (see AAR 1072 R11081) and oligonucleotide primers were synthesised based on these partial sequences. The primers were used to profeed a CRA transfel include a approve a second constructed in lambda will Positive clones were placental cDNA bank constructed in lambda will Positive clones were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               identified and sequenced. BMA constructs comprising the INF BF coding sequence may also contain a fragment encoding a human (g domain, Recombinant constructs are used to transform cells to conten
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          encoding them, useful in pharmaceutical prods, and for antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lombic Z, Gentz R. Lesslauer W. Lotscher H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Insoluble tumour necrosis factor binding proteins - and DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 AIGGGCCTCTTATTCTGCTGACTIGTTGCTGCTGCTGCTGCTGTTGCA 50
             Tamman Nectosis Factor, binding proteins, septic shock:
                                                                                                                                                                                 Clabel putative N glycosylation site 212.230
Alabel- transmembrane region
                                                                                                                                                 Alabel- putative N alycosylation site
                                                                                        /label= putative N-glycosylation site
                                                                                                                      /label- putative N-qlycosylation site
                           autoimmune alomerulouephritis; lymphokine, cytokine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Percent Identity: 99.780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Aliqu seq 1/1 to: AAF11082 from: 1 to: 455
                                                                                                                                                                                                                                             /label- signal peptide
                                                           Amation/Qualitiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                improved INF-binding properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Fig 1; 26pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                     (HOFF ) HOFFMANN LA ROCHE AG.
                                                                                                                                                                                                                                                                                                                                           99EP-0116707
                                                                                                                                                                                                                                                                                                                                                                       . "Н-0001347.
                                                                                                                                                                                                                                                                                                                                                                                       еч 'H-0003319.
                                                                                                                                                                                                                                                                                                                                                                                                      90CH-0000746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Percent Similarity: 100.000
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US-09-525 998A 1 x AAR11082
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Ratio: 5.459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WFI; 1991 PRIBE; 12. N-PSDB; AAQ10955.
                                                                                                        145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 455 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               See also AAy10956.
                                                                         Modified site
                                                                                                       Modified-site
                                                                                                                                    Modilied-site
                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Schlaeger EJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Brockhaus M,
                                                                                                                                                                                                                                                                                                                                         31-AUG-1990;
                                                                                                                                                                                                                                                                                                                                                                        20 - APR-1990;
                                                                                                                                                                                                                                                                                                                                                                                         12-SEP-1989;
                                                                                                                                                                                                                                                                                                                                                                                                      08-MAR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aliqnment_scores:
                                                                                                                                                                                                                                                                                                            20-MAR-1991
                                                                                                                                                                                                                                                                              EP417563-A.
                                                                                                                                                                                                                                Peptide
                                                                                                                                                                                                 17.11
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51 GOIGIIGA PAGAAATAIAACCOICAGGAITAITGGACIGGICO LOACO 100 1 MetGlyLeuSerIhrValProAspLeuLeuLeuProLeuValLeuLeuGl 17

0 ~	1 CIAICAGGGGGCIGACCOATA) I GGGAADAGACIGGCCIGGGACCCAA 	5 -
950	CCCGGTGACFGTCCCAACFTTGCGGCTCCCCGGAGAGAGGTGGCACCCCCCCCCC	0 0
ōō	1 GCTTCAGTCCCGTGCCCAGTTCCACCTCCAGCTCCAGCTATACC	ur aci
850	1 GGCCCAAACGAAATTTAATAAAATAAAAATRAAAATRAAGGGAAGGTG 	0 5
	1 TCGACACCTGAAAAAGGGGGGGGCTTGAAGGAACTACTACTAAGCCCT [[[[]]]][[[]]][[]][[]][[]][[]][]]]]]] 1 SCTThrProGluiyscluClycluLouGluclyThrThrThrTysbrofe	LC:
10 10	H ATGGTAGGAGGGGGAAGTGGAAGTGTAGTTTGTTTGTGGGAAA HILLIHIHIHIHIHIHIHIHIHIHIHIHIHIHIHIHIHI	0 %
~ ~	1 CATITICITIGGICITIGCCTITIAICCCICCTCTTCATIGGITAATGT [i∩
550 217	01 AATGTTAAGGGCAGGGGGGGGGGGGGGGGGGGGGGGGGG	0
c -	ACTGPAGAAAGCCTGGAGTGCAAGGTTGTGCTAGGAGAAGAGAGAAAGAGAAAAAAAA	က ထော
ic m	1 CIGCAIGCAGGTTTCTTTCTAAGAAAAACGGTGTCTCTGTAGTA 	0 4
0 0	51 AAYGGGACCGGCACCTCCTCCCCACAGAGAAACACACACCGGGGGCACCCCTGTGCACACACA	rc rc
450) ATTATTGGAGTGAAAGCTTTTCCAGTGCTTCAATTGCAGCCTCTGCCTC	0 ~
C (C)	\$1_CACAGTGGACCGGAAAACGTGTGTGGATTGAAGGAAGAACAATACGGG 	(i)
	0) AGCTGCTCCAAATGCCGAAAGGAAATGGGTCACGTGGAGATCTCTTGTTGTTTTTTTT	\circ
300 100	51 GTGAGAGCGCTCCTTCACGCTTCAGAAACCACCTCAGAGACGCCCC 	u. oc
250 84	CTIGEACAATGACITGTCTAGGCCGGGGAGT	
200	51 CACCCTCAAAATAATTCCATTTCCTGTACCAAGTGCCACAAAGGAACCTA 	u. u:
150	01 TAGGGGACAGGAAGAGAGATGTGTGTGTGCCCAAGGAAAATATG 	_ ;*,

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Tumour necrosis factor alpha, autoimmune diseases, eacheetin, extracellular domain.
                                 1001 TCCCCAACCCCTTTTAAAATIGGGAGGACAGCGCCACAAGGCAAAGAG 1050
                                                                                                                                             1201 TACAGCATGCTGGCGACCTGGGGGGGGCGCCCCCCGCGGCGGCGCCAC 1250
                                                                                                                                                                                                                   401 TyrSerMetLeualaThrTrpArgArgArgThrProArgArgGlualaTh 417
                                                                                                                                                                                                                           Seq_name /SIES2/gradata/yeneseqy/qeneseqp/AA1992.DAT:AAR20787
        /note- "potential N-glycosylation site" 151..153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note- "potential N-glycosylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "transmembrane domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Brennan F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..455
...455
.ote- "mature peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note- "signal peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                    AAR20787 standard, Protein; 455 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peldman M, Gray P, Turner M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90GB-0013410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90GB-0013410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (CHAR-) CHARING CROSS SUNLE.
                                                                                                                                                                                                                                                                                                                                                      11-MAY-1992 (first entry)
                                                                                                                                                                                                                                                                                                                                                                       TNF alpha binding protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note: "ex
212..234
/note= "tu
                                                                                                                                                                                                                                                     1351 CCCAGTCTTCTCAGA 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145..147
                                                                                                                                                                                                                                                               451 ProSerLeuLeuArg 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /not.e-
                                                                                                                                                                                                                                                                                                           seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Modified site
                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GB2246569-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-FEB-1992.
                                                                                                                                                                                                                                                                                                                                      AAR20787;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
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The amino acid sequence is that of tumour necrosis factor alpha binding protein which contains the extrarellular domain of human TNF alpha receptor. It is soluble and can be used in the regulation of TNF mediated responses by binding and sequestering the cytokine. It can therefore be used the repeatically to treat disorders such as cachexia, sepsis and autolemnunc diseases, specifically rheumatoid
                                                                                 New tumour necrosis factor alpha binding protein and polypeptide - useful in treating cachexia, sepsis and auto immune diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            201 CTIGIACAAIGACIGICTAGATCCGGGGGATAGGAIACGGATGGAAGGAGT 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               251 GIGAGAGGGGCICCTICACCGCTTCAGAAACCACCTFAGACACIGCCTC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       84 ysqluserglyserPheThrAlasergluAsnHisLeuArgHisCysLeu 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGCIGCICCAAATGCCGAAAGGAAATGGGTCAGGTGGGAGAICTGTTGTTG 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         401 ATTATTGGAGTGAAAAGGTTTTTGAGTGGTTGAAIIGGAGGGTGIGGGTG 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 134 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          451 AATGGGAPPGTGPPTPPPTPPTGGAGAGAAACNGAAAPACGTGCAC 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              501 CIGCCAIGCAGGIIICIIICIAAGAGAAAAGGAGIGIGICICCIGIAGIA 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    51 GCTGTTGGTGGAAAAAAAACCCTCAGGGGTTAFTGGACTGGTCCCTCACC 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101 FAGGGGACAGGGAGAGAGAGATAGTGTGTGTCCCCAAGGAAATATATC 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        151 CACCCTCAAAATAATTCGAATTTGCTGTACCAAGTGCCACAAAGGAACCTA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 uLeuLeuValGlyIleTyrProSerGlyValIleGlyLeuValProHist 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 AIGGGCICICCACCITACTEACTEATACTACTACTACTACTGGGGGA 50
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Percent Similarity: 100 000 Porcent Identity: 94 560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1 to: 455
                                                                                                                                                                      Disclosure: Fig 1; 25pp; English.
                                                                                                                                e.g. rheumatoid arthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Align seq 1,1 +0. AAP20787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Quality: 2481.00
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                      WPI: 1992-043613/06.
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 455 AA;
                                          N-PSDB; AAQ20973
                                                                                                                                                                                                                                                                                                                                                                                                                                                      alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alignment_block.
                                                                                                                                                                                                                                                                                                                                             arthritis.
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951 CTATCAGGGGGTGACCCCAICCITGGGAGAGGGGTGGCGGTGCGAGCCCA 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1001 TOCCCAACCCCTLICAGAAGIGGGAGGAGAGGGTTTACAAGGGAGAGAGG 1050
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1201 TACAGUATGUT-SGUGANUTGGAAGGGGGANANSONANASHSHSHSHSHAN 1250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                251 GCTGGAGCTGTTGGGAGGGGTGCGGGACATGGAGCTGCTGGGCTGCC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1301 1GGAGGACALGGAGGGGGCT11GCGGGGGGGGGGGGGCT-GGGGCGGGG 1359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1101 CCCCTTGCGCTGGAAGGAATTCGTGCGCCCCTAGGGCTGAGGGACCACG 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 601 AAIGIIAAGGGATIGAGGATIGAGGATTACAGIGTIGIIGOOTLIGAT 650
                                                                                                                                                                                                               701 ATCCCTACCAACGGGAAGICCAAGGICIACICGAIIGIIIGIGGGAAA 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                               801 GGCCCCAAAACCAAAGCTTCAGTCCCAGTTTAGGTTTAGGTTTAGGTTTGAGGTTGT 850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         851 GCTICAGICCHGISCOGAGTTGGAGCTTCACCTSCAGCICCACCIALACC 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301 ProGlyAspCysFroAshFhcAlaAlaProArgArgStuValAlaProPr 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           351 LeuAspThrAspAspProAlaThrLeuTyrAlaValValGluAsnValPr 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     384 lulleAspArglooGlubeuGluAsnGiyArqCysteuArgS.sAladin 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         417 rLeuGluLeuLeuGlyArqValLeuArqAspMetAspLeuLeuGlyCysL 434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   434 euGluAspileGluGluAlaLeuCysGlyProAlaAlaLeuProProAla 450
                                                       551 ACTOTAAGAAAAGCCTGGAGTGCACGAAGTTGTGTTTAGGGGGAGATTGAG 600
                                                                                                                                                                                                                                                                                                       651 CAITITOTE ESCUTIGGOTITTALCCCTOPICITALISGITTANGE 700
                                                                                                                                                                                                                                                                                                                                                                 217 lilePhePheGlyLeuCysLeuLeuSerLeuLeuPheIleGlyLeuMet. 234
167 rCysHisAlaSlyPhePheLeuArdGluAsnGluCysValSerCysSerA 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   751 LOGACACCIGANAAAAAGGGGGGGCTTGAAGGAACTACTAAGTAAGCCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              284 TypheSerProValProSerSerThrPheThrSerSerSerThr;yrthr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   334 leProAsnProLenGlniysTrpGluAspSerAlaHisLysProGlnSer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           901 CCCGGGGACTGCCCAATTIGCGGCTCCCCGCAGAGAGGGCACCAC.
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SOU_LIAIMO. [31 42] j jdstaj je te vrigije te se jij AA1935...A. .AA842137

seq_dorumentation_block:

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deletion modulates signal transduction and/or eleavage effected by the receptor. This modulation of activity can also be achieved using effected by the receptor. This modulation of activity can also be achieved using effector proteins which interact with the TNE receptor or the elector proteins which interact with the TNE receptor or the elector proteins can be used to treat or prevent discuses associated with the activity e.g. autoimmune discuse; rhoundroid arthritis; graft or TNE activity e.g. autoimmune discuse; rhoundroid atthritis; graft or residue anno acid residues of acception; specific deletions include anno acid residues of acception are essential for the signalling of the human p55 TNP-R for the expretoric effect of TNP whereas anno acids 405-414, or part of them, are essential for the signalling of the human p55 TNP-R for the expretoric effect of TNP whereas anno acids 415-426 are not essential. Also residues 170-179 where deleted. This region of amino acids, or part of, when deleted, abolished shedding of the soluble extracellular forms of the protein.
                                                                                                                                                                    rheumatoid arthritis; graft rejection; graft vs. host; septic shock;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modification of the tumour necrosis factor receptor by mutation or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Medalating activity of tumour necrosis factor receptor rusing peptide(s), antibodies, etc. which interact with critical regions of receptor or effector protein, for controlling auto-immune
                                                                                                                                                  INF; tumour necrosis factor; receptor; disease; autoimmunity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Persont Identity, 90 560
                                                                                                                                                                                                                                                                                                                                        /label- Transmembrane domain.
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                                                                                                                                                                                                                                                                                                  /label- Leader peptide.
                                                                                                            p55 Tumour necrosis factor receptor.
                                                                                                                                                                                                                                                                 Location/Qualifiers
AAR42197 standard; Protein; 455 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 2; Figure 1; 17pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (YEDA ) YEDA RES & DEV CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92IL-0101769.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      93EP-0106981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disease, septic shock, etc.
                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Brakebusch C, Wallach D;
                                                                                                                                                                                                                                                                                                                      205
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Ratio: 5.446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ratio: 5.446 Percent Similarity: 100.000
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US-09-525-998A-1 x AAR42197
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                                                                                                                                                                                     effector protein.
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                                                                         13-MAY-1994
                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                  Region
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1 ATGGGCCTCTCCACCTGCCTGACCTGCTGCCACTGGTGCTCCTGGA 50

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301 AGCTGCTCCAAATGCCGAAAGGAAATGGGTCAGGTGGACATCTTCTTG 350
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                                                                                                 101 TAGGGGAPAGGGAGAAGAGATAGTGTGTGTGCCAAGGAAAATATATG 150
                                                                                                                                                                                                    151 CACCCTCAAAATAATTCGATTTGGTGTACCAAGGCACAAAGGAACCTA 200
                                                                                                                                                                                                                                                                                                                                                                                                            251 GTGAGAGGGGCTGCTTGAGGGAAAACCAGCTGAGAGACTGGGTG 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                101 SorCysSeriysCysArgLysGluMetGlyGlnValGluIleSerSerCy 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       401 ATTATTGGAGTGAAAACCTTTTCCAGTGCTTCAATTGCAGGCTCTGGGTC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    551 ACIGIAAGAAAACCIGGAGTGCACGAAGTIGTGCTAGCCCAGATIGAG 600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               217 IllePhePheClyLeuCysLeuLeuSerLeuLeuPhelleGlyLeuMetT 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     701 ALCGCTAGCAACGGTGGAAGTGCAAGGTGTACTGGATTGTTGTGGGAAA 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           234 yrArqTyrGluArgTrpLysSerLysLeuTyrSerIleValCysGlyLys 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         751 TCGACACCTGAAAAAGAGGGGGGGGCTTGAAGGAACTACTACTAAGCCCT 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    251 SerThrProGlutysGluGlyGluClyGlyChrThrPhrtysProLe 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            uAlaProAsnProSerPheSerPro1hrPro3)yPheThrPro1hrLeuG 284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   851 GCTTCAGTCCCGTGCCCAGTTCCACCTTCAGCTCCAGGTCCACCTATACC 900
                                                                                                                              34 euGlyAspArgGluLysArgAspSerValCysProGlnGlyLysTyrIle 50
                                                                                                                                                                                                                               67 illeuTyiAsiiAspCysProGlyProGlyGlnAspThrAspCysArgGluC 84
51 GCTGTTBGTGGGAAIAIACCCCTCAGGGGTTATTGGACIGGTCCCTCACC
                        201 TITHTACAALGATTGTCCAGGCCCGGGCAGGATACGGACTGCAGGAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                       351 CACAGIGGAPPGGGAPAQPGTGTGTGGGGTAGAGAAGAAGAAGAAGTAGCGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         501 CTGCCATGCAGGTTTCTTTCTAAGAGAAAACGAGTGTGTCTCCTGTAGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             601 AATGTTAAGGGGAGTGAGGAGTCAGGCACACAGTGCTGTTGCCCCTGGT
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rhoumatoid arthritis; graff rojoorion; graff vs. host; septic shock,
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                                         951 CHATCAGGGGGTGAGGCCATCTHGGGACAGCCCTGGGCTCCGACCCA 1000
                                                                                                                           .001 TCCCCAACCCCTICAGAAGIGGGAGACAGGGCCACAAAGCAAAAAG 1050
                                                                                                                                                                                                                  1051 CTACACACHCATGACCCCCGCGACHCIGIACGCGIGGFGGAGAAACHFC 1100
                                                                                                                                                                                                                                                                                                  1151 AGAICGAICGGGIGGACTIVIAGACCAGACATGCTIVIGAGACCAAA 1266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            125] GCTGGAGCTGCTGGGACGCG"GCTCTGCGACATGGACTGCTGGGCTGCC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 367
                                                                                                                                                                                                                                                                                                                         384 lulleAspArgLeuGluLeuGlnAsnGlyArgCysLeuArgCluAlaCln 400
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                                                                                317 ofyrdiadlyalaAspProlletedAlaTbralatedAlaSerAspProl 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       417 rieuGluieuLeuGlyArgValieuArgAspMetAspLeuLeuGlyCysl, 434
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                                                                                                                                                                                                                                       /label- Transmembrane domain
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/label- Leader peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAR51034 Standard; Protein; 455 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         93EP-0106981.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1351 CCCAGICTICTCAGA 1365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29-APR-1993;
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Medification of the tumour necrosis factor receptor by mutation or deletion modulates signal transduction and/or eleavage effected by the receptor. This modulation of activity can also be achieved asing effector proteins which interact with the TWF receptor.

**Coccules which interact with the TWF receptor or the effector proteins can be used to the TWF receptor or the effector of proteins can be used to theat of provent diseases associated with the activity c.g. autonomnous diseases theory They can also rejection; arall to theat the same of the standard of the major of them which it was discovered that amino acids residues 405-426 from which it was discovered that amino acids and or part of them, are essential for the signalling of the human p55 TWF.** for the cytotoxic effect of TWF whereas amino acids 415-456 trom the coccusion of the control of the control of the discovered that acids or part of them, are essential for the signal ling of the human p55 TWF.** for the cytotoxic effect of TWF control acids, or part of the abelief deleted. This region of the control of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    soluble extracellular forms of the protein. This sequence corresponds to the wild type protein disclosed in AAM-12197 except that alamine at postion 197 has been substituted in place of serine.
                                                                                                                   Modulating activity of tamour arcrosis factor receptor using peptide(s), antibodies, etc. which interact with critical regions of receptor or effector protein, for controlling auto immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The substitution inhibits cleavage of the soluble form of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301 AGCIGCICCAAAIGCCGAAAGGAAATGGGTCAGGTGGGAGALCICTIG 350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5] HISPFOGLIASEASEACHTCOSSANTIASEATISTY FOR 1975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MetGlyLeuSerThrValProAspleul.edJedProLeuValLeuLeuG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34 euGlyAspArad_uLysArgAspSerValCysFroGlnGlyLysTyrIle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        67 rheufyrAshAspCysProGlyProGlyGinAsplhrAspPysArgGluC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 ATGGGCCTCTCCACCGTGCCTGACTTGCTGCTGCCACTGGTACTCCTGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Percent Identity: 99.341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 5; Figure 1; 17pp; English.
                                                                                                                                                                                                                                            aisease, seplic shock, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ratio: 5.440
Percent Similarity: 100.000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-525-998A-1 v AAP51034
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1993 (19977,45.
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                                         N-PSDB; AAQ50870.
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351 CACAGIGGACCCCCGACACGIGIGIGGCCCAGAAGAACCAGIACGGGC 450

- 451 AATGGGACCCTGCACCTCTCCTGCCAGGAAACAGAACACCTGTGCAC 500
- - HITTHITHITHITHIT 184 SECYSLYSTYSECTEVELEYSTEPTYST OF SECUSYSTOCET OF DESCRIPTION OF SECUSION 601 AND CHARACTER AGAIN AND CONTRACTOR OF SECUSION 650

- - 751 TCGACACCTGAAAAAGAGGGGGAGCTTGAAGAAACTACTAACTCCCCT 800
- - 267 uAlaproAsnProSerPheSerProThrProGlyPheThrProThrLeuG 284

- - 1051 CHARLAR TRANSPORTER TRANSPORTER TO STORE THE TRANSPORTER TO THE TRANSPORTER TRANSPORTER TO THE TRANSPORTER THE TRANSPORTER THE TRANSPORTER THE TRANSPORTER TO THE TRANSPORTER THE TRANSPORTER THE TRANSPORTER TO THE TRAN

1251 GCTGGAGCTGCTGGAQGGGTGCTGGGGGACATGGAGCTGCTGGTGGTGCT

- 417 rLeuGlüleüleüGlyArgValLeüArgAspMetAspLeüleüGlyCyst 434
- - 434 euGluAspIleGluGluAlaLeuCysGlyProAlaAlaLeuProProAla 450
- 1351 CCCAGTCTTCTCAGA 1365
 - 451 ProserLeuLeuArg 455

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